

Appl. No. : 10/644,195
Filed : August 20, 2003

REMARKS

Claim 1 has been amended to limit the Si-vinyl compound to a cyclic compound which is readable on the elected species of Si-vinyl compounds.

Claim 2 has been amended to delete a non-elected species of Si-vinyl compounds.

Claims 3-5 and 18-24 have been canceled as being directed to a non-elected species.

Claims 6, 11-12, 14-15, and 17 have been withdrawn from further consideration; however, if a generic claim (currently claim 1) is finally held to be allowable, these claims will be rejoined.

No new matter has been added. Applicant respectfully requests entry of the amendments and reconsideration of the application in view of the amendments and the following remarks.

Election/Restrictions

The Election/Restriction requirement mailed of 11/10/05 lists "a cyclic compounds having the formula Si(n)O(n)R(2)n , wherein R is C(1-6) saturated hydrocarbon" and "a cyclic compounds having the formula Si(n)O(n)R(2)n , wherein R is C(1-6) unsaturated hydrocarbon" (emphasis added) as a species of "Si-Vinyl compound". However, the "Si-Vinyl compound" as defined in claim 1 must contain at least one vinyl group. If R is solely a saturated hydrocarbon, the "Si-Vinyl compound" cannot contain a vinyl group, and thus, the species having only saturated hydrocarbons cannot be a species of the "Si-Vinyl compound" and contradicts with the definition of the "Si-Vinyl compound". Thus, the above-listed two species of the "Si-Vinyl compound" should not be different or separate species. The species should be "a cyclic compounds having the formula Si(n)O(n)R(2)n , wherein R is C(1-6) saturated or unsaturated hydrocarbon" as shown in paragraphs [0031] to [0033] on pages 7-8 of the specification, for example.

Applicant elected "a cyclic compounds having the formula Si(n)O(n)R(2)n , wherein R is C(1-6) saturated hydrocarbon" as a single disclosed species of the "Si-Vinyl compound" in the response of 12/12/05. However, Applicant recently noticed that this species cannot be a species of the "Si-Vinyl compound" as explained above. Because the Election/Restriction requirement included the erroneous list of species, Applicant respectfully requests correcting the elected species to "a cyclic compounds having the formula Si(n)O(n)R(2)n , wherein R is C(1-6) saturated or unsaturated hydrocarbon" and making this correction of record.

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Claim Objection

The Examiner asserts that claim 2 is objected to because claim 2 recites $S9(n)O(n)R(2n)$. This objection is not understood because claim 2 as filed explicitly recites " $Si_nO_nR_{2n}$." Applicant could not identify the error pointed out by the Examiner and thus could not respond to this objection. Applicant respectfully requests a copy of the document showing the error pointed out by the Examiner.

Rejection Under 35 U.S.C. § 102

Claims 1-2, 7-10, and 13 have been rejected under 35 U.S.C. § 102(e) as being anticipated by Li (US2004/0137757). Claim 1 is independent and has been amended. Applicant respectfully traverses this rejection.

The Examiner asserts that regarding claim 1, Li forms an insulation film by introducing a gas comprising a source gas comprising a silicon-containing hydrocarbon containing at least one vinyl group and an additive gas (paragraphs 0009, 0012, 0015, 0030, and 0031). However, in Li, the silicon-containing hydrocarbon containing at least one vinyl group is acyclic, not cyclic. Paragraph 0012 of Li describes the cyclic organo-silicon compound "with one or two alkyl groups bonded to the silicon atoms." By contrast, paragraph 0013 of Li describes the acyclic organo-silicon compound including "linear or branched hydrocarbon compounds having at least one unsaturated carbon bond." Li gives absolutely no indication that the cyclic organo-silicon compound has a vinyl group. Li does not teach or even suggest using a cyclic organo-silicon compound having at least one vinyl group. Thus, claim 1 could not be anticipated by Li. At least for this reason, the remaining dependent claims also could not be anticipated by Li. Applicant respectfully requests withdrawal of this rejection.

Rejection Under 35 U.S.C. § 103

Claim 16 has been rejected under 35 U.S.C. § 103(a) as being unpatentable over Li. The Examiner asserts that Li teaches all of the positive steps of claim 16 except for the measurement of the film stress. However, claim 16 depends ultimately from claim 1, and as discussed above, Li does not teach all of the steps of claim 1. In particular, Li does not teach or suggest using a cyclic organo-silicon compound having at least one vinyl group, and reducing a film stress to 40 MPa or

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lower. Claim 16 could not be obvious over Li. Applicant respectfully requests withdrawal of this rejection.

CONCLUSION

In light of the Applicant's amendments to the claims and the foregoing Remarks, it is respectfully submitted that the present application is in condition for allowance. Should the Examiner have any remaining concerns which might prevent the prompt allowance of the application, the Examiner is respectfully invited to contact the undersigned at the telephone number appearing below.

Please charge any additional fees, including any fees for additional extension of time, or credit overpayment to Deposit Account No. 11-1410.

Respectfully submitted,

KNOBBE, MARTENS, OLSON & BEAR, LLP

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